



RIPCON CONFIGURATION SOFTWARE for ripple remote control radio receiver of type TS-71-2

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Features and specifications are subject to change.

USER MANUAL

KRALgroup

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1. INSTALLATION

Please insert the CD into the CD-ROM drive and follow the instructions in accordance with dialog windows on your screen. If your computer is off feature, "Windows autorun", then you need to "Setup" menu to run manually. Simply run the file "setup.exe" on the CD-ROM in Windows Explorer (in the folder on the CD-ROM).

2. OPERATION

After installing the program, you see its icon on the desktop of your Windows system.

Start the program by double-clicking the icon RIPCON. It appears the main window of RIPCON on the screen.

2.1 Chart "File" ("Datei")

This chapter describes all the menu items, which are located under the "File" ("Datei") chart.

2.1.1 "New" ("Neu")

Using this menu item you can reset all settings and this item can also create new settings for the TS 71. But first enter the new name of the setting.

2.1.2 "Open" ("Öffnen")

In this menu item can be a TS-71 parameter data are downloaded from the hard disk in PC.

2.1.3 "Save" ("Speichern")

In this item menu, the current parameter data can be saved.

2.1.4 "Print" ("Drucken")

In this menu item, the current parameter data can be printed.

2.1.5 "Exit" ("Beenden")

This menu item exit the program.

2.2 Chart "Function" ("Funktion")

On the "Function" chart all the parameters of the TS-71 can be set.

2.2.1 "Protocol Type" ("Telegramm")

In this menu item the protocol type of ripple control receiver can be set. There is available template list in the software of the most common types of protocols. If the desired protocol is not listed, all values can be edited manually.



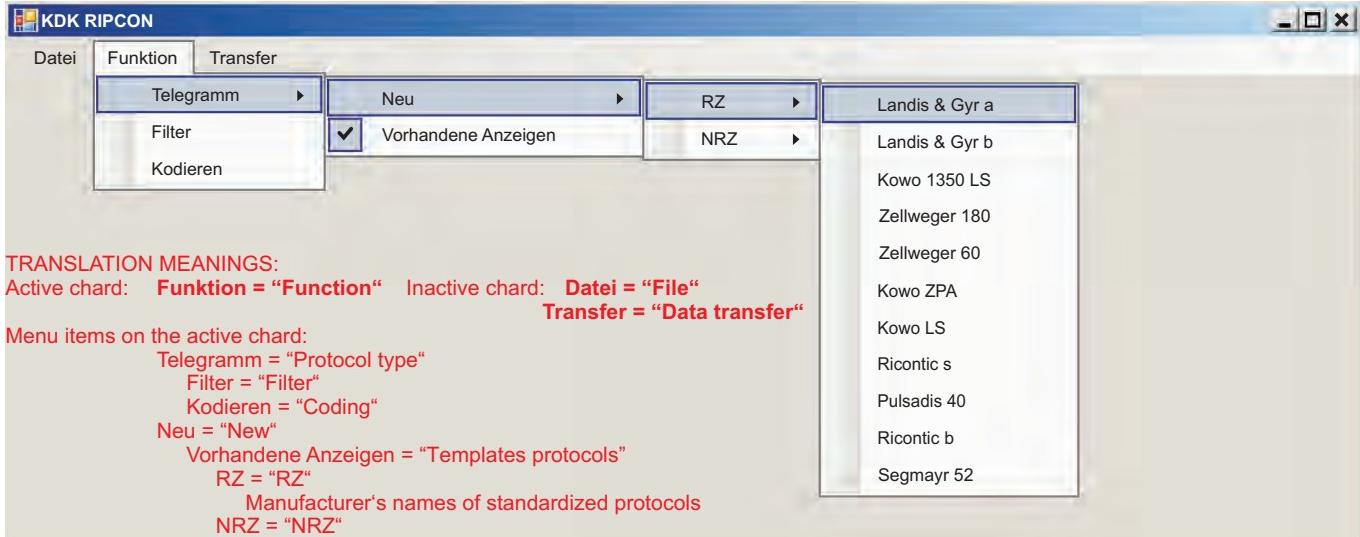
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2.2.1.1 "New" ("Neu")

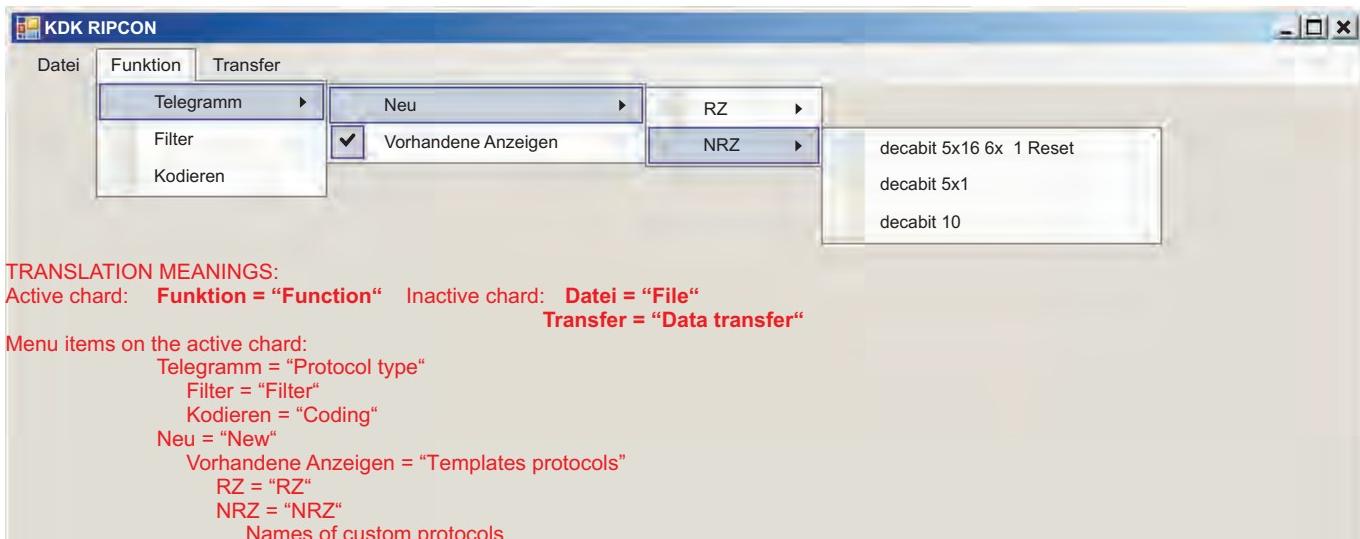
Under this menu item new protocols can be created.

See Pict.1 and Pict.2

Pict. 1 RZ protocols



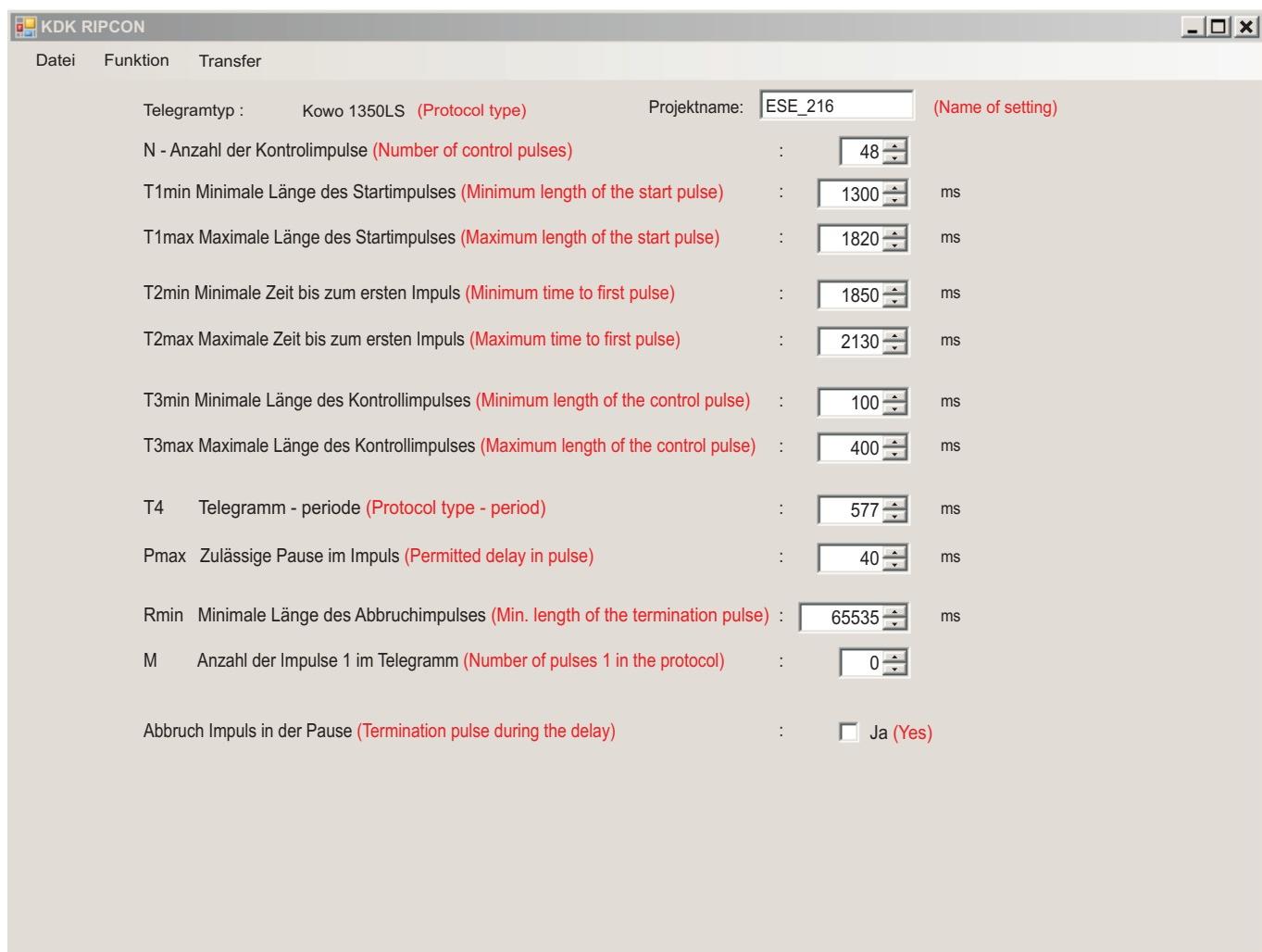
Pict. 2 NRZ protocols



Once a protocol has been selected, the entry dialog appears for the log settings. see Pict.3



Pict. 3



In the dialog box you can now enter all the parameters in accordance with the requirements of the ripple control system.

2.2.1.2 Menu display templates protocol

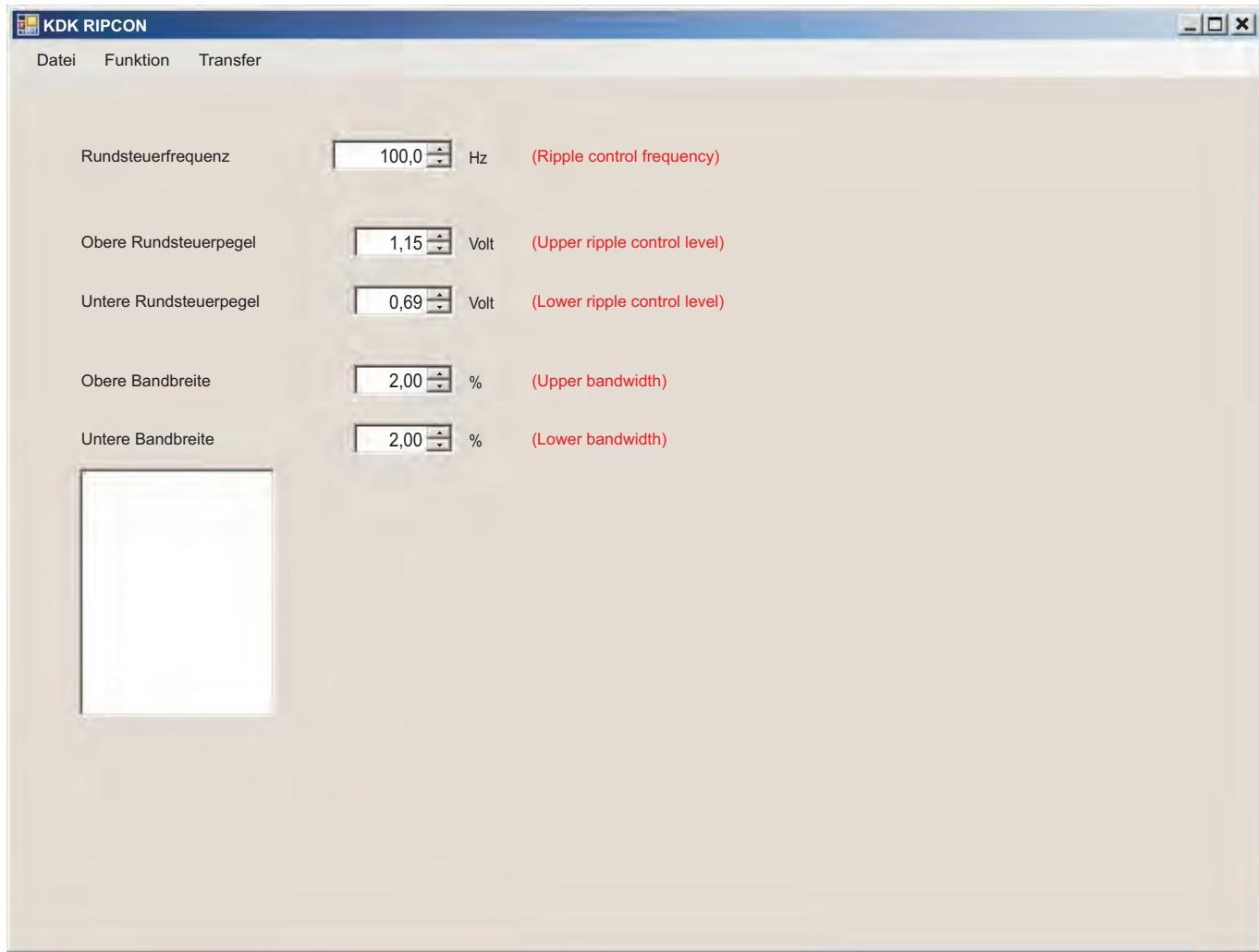
If this menu item is selected, the dialog box (see Picture 3) appears with the values that were previously specified or retrieved from the hard disk.



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2.2.2 "Filter" ("Filter")

In this menu you can specify a filter input for the centralized control frequency of the transmitter.
(See Picture 4)



Picture 4

The level and bandwidth set up kindly to fit adequately to the specification of your ripple control system.

2.2.3 "Coding" ("Kodieren")

In this menu you can set the encoding of the ripple control signal with the effect on the respect relay.

In RZ protocols You can choose the following settings per coding number.



For NRZ protocols are not available commands "None" and "Run," which are here always executed at the end of the protocol.

Each row can be assigned to a command for each relay.

Relay command are: On ("Ein") / Off ("Aus") / Invert ("Inverted") / No ("Keine")

The screenshot shows the KDK RIPCON software interface. On the left, there is a table for setting relay actions. The right side shows two pop-up windows for configuring relay 1 and relay 2. The relay 1 window includes fields for 'nach' (after), 'Sek.' (seconds), and 'Aktiv' (active). The relay 2 window also includes similar fields. Below the windows, a section titled 'TRANSLATION MEANINGS IN POP-UP WINDOWS:' provides definitions for terms like 'Keine', 'Ein', 'Aus', etc.

Num	Rei...	Rei...	Rei...	Rei...
1	1	1	Keine	Keine
2	Keine	Keine	Keine	Keine
3	Keine	Keine	Keine	Keine
4	Keine	Keine	Keine	Keine
5	Keine	Keine	Keine	Keine
6	1	Keine	Keine	Keine
7	Keine	1	Keine	Keine
8	Keine	Keine	Keine	Keine
9	Keine	Keine	Keine	Keine
10	Ausführen	Keine	Keine	Keine
11	Keine	Ausführen	Keine	Keine
12	Keine	Keine	Keine	Keine
13	Keine	Keine	Keine	Keine
14	Keine	Keine	Keine	Keine
15	Keine	Keine	Keine	Keine
16	Keine	Keine	Keine	Keine
17	Keine	Keine	Keine	Keine
18	Keine	Keine	Keine	Keine
19	Keine	Keine	Keine	Keine
20	Keine	Keine	Keine	Keine
21	Keine	Keine	Keine	Keine
22	Keine	Keine	Keine	Keine
23	Keine	Keine	Keine	Keine
24	Keine	Keine	Keine	Keine
25	Keine	Keine	Keine	Keine

Relais	Rei...	Rei...	Rei...	Rei...
1	Ein	Invertiert	Keine	Keine
2	Keine	Aus	Keine	Keine

TRANSLATION MEANINGS IN POP-UP WINDOWS:
Window header: "Num" ... Number, "Rei..." ... Series

"Keine" ... None
"Ein" ... On
"Ausführungen" ... Executing
"Invertiert" ... Inverted
"Aus" ... Off

In the right half of the window on the screen the special characteristics of the relay switching can be defined. Timer function can be set after this switching time in case it is needed again, if no other new ripple control signal is received within the time set for the relay.

The time can be set from 1 second to 1,000,000 seconds (277 hours).

Then can be set relay switching when the device is reactivated again after a power failure.



2.3 Chart "Transfer" ("Transfer")

With the help of this menu item all settings are transmitted to the ripple control receiver via the serial interface.

Please choose the COM port (RS 232 PC serial port) via which the TS-72 programming adapter is connected to the PC. It will automatically detect the COM port displayed that provides the PC.

Now connect the programming adapter with the ripple control receiver. The red LED in the TS-71 must begin flashing every second, which means that TS-71 is ready to receive data from a PC. Otherwise, TS-71 is not ready to receive any data.

In standby mode TS-71 to receive data you can then choose from the menu "Transmition RSE" ("An RSE übertragen").

If the data transmission was successful this will be displayed on the screen.

The TS-72 is now ready for use.

Via this menu item "Transmition RSE" ("An RSE übertragen"), the data can be read from the ripple control receiver again.

The screen also displays the message even if the data transfer was unsuccessful.

In this case must be checked again whether all cables are connected properly and the correct COM port has been selected.

Please also make sure that the COM port is not in use by another Windows application.